

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 2, 1959

EPIDEMIOLOGICAL REPORTS

Influenza

Dr. Dorothy Hamre, University of Chicago, reported the additional isolations of type A influenza virus from 2 specimens collected on April 2 and 6 and of type B virus from 5 specimens obtained during the period March 24 to April 14. All isolations were from students at the University of Chicago and all were made in monkey kidney tissue cultures. Serologic tests are not yet complete, but one person from whom a type B virus was isolated had an antibody rise to type B/GL/54 but not to A/Jap/305/57, by hemagglutinin-inhibition tests.

The Division of Preventive Medicine, Office of the Surgeon General, U. S. Department of the Army, reports that of 93 specimens obtained at Fort Ord, California, during the week ended April 25, 16 were positive for type A influenza, 9 for type B, and 23 for adenovirus.

The Mississippi State Board of Health reports that of 6 acute phase specimens collected from persons involved in an outbreak of influenza-like disease in a school, 5 specimens had indicative complement fixation titer rises against influenza B/GL/54. The outbreak occurred in early February. The illness was mild, lasting from 3 to 5 days with symptoms of fever, headache, nasal congestion, and muscular aches. Absenteeism in the school reached a peak of 63 percent. Few adult members of the students' families were ill.

Information from the West Virginia State Department of Health states that influenza type B, Great Lakes strain, was serologically confirmed in 2 cases in Mercer County. Specimens were collected during March.

Mortality from all causes and influenza and pneumonia reported by 114 cities for the current week was higher than for last week and above the average numbers of deaths reported

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	17th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended May 2, 1959	Ended May 3, 1958	Median 1954-58	First 17 weeks			Since seasonal low week			
				1959	1958	Median 1954-58	1958-59	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	5	1	8	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	2	-	-	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	9	18	22	236	230	307	(1)	(1)	(1)	(1)
Diphtheria-----055	6	15	23	304	256	534	916	1,054	1,770	July 1
Encephalitis, infectious-----082	35	36	36	470	463	405	2,211	1,776	1,744	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	398	349	644	8,945	5,646	8,410	14,362	9,965	16,319	Sept. 1
Malaria-----110-117	4	2	5	24	16	56	(1)	(1)	(1)	(1)
Measles-----085	15,083	41,864	31,225	234,325	412,709	331,998	285,714	451,149	387,422	Sept. 1
Meningococcal infections-----057	51	43	56	948	1,039	1,146	1,811	2,048	2,113	Sept. 1
Meningitis, other-----340	241	48	-	1,069	863	-	-	-	-	-
Polio myelitis-----080	29	18	91	382	266	1,373	114	79	394	Apr. 1
Paralytic-----080.0, 080.1	20	7	49	263	140	629	76	37	191	Apr. 1
Nonparalytic-----080.2	5	7	30	64	82	376	19	23	114	Apr. 1
Unspecified-----080.3	4	4	11	55	44	248	19	19	62	Apr. 1
Psittacosis-----096.2	6	7	8	43	50	96	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	-	2	2	(1)	(1)	(1)	(1)
Typhoid fever-----040	16	17	27	170	238	418	46	72	128	Apr. 1
Typhus fever, endemic-----101	1	1	2	10	13	24	4	2	7	Apr. 1
Rabies in animals-----	95	102	104	1,376	1,745	2,071	2,267	2,643	3,171	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes 9 cases of aseptic meningitis; see footnote to table 2.

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EPIDEMIOLOGICAL REPORTS—Continued

for comparable weeks in the 5 years 1954-58.

By geographic divisions, mortality from all causes was higher than average for the East North Central, West South Central, and Mountain Divisions. Mortality from influenza and pneumonia was above average for the New England, Middle Atlantic, Mountain, and Pacific Divisions.

The World Health Organization reports that the number of cases of "influenza" registered in Copenhagen, Denmark, increased from 696 cases for the week ended February 7 to 4,908 for the week ended April 4, then declined slightly to 4,744 for the week ended April 11. Viruses of type A have been identified in France in the regions of Lyons and southeastern France. The number of deaths due to influenza during February 1959 was 843 compared with 652 in February 1958 and 1,161 in February 1957. In England and Wales the number of deaths attributable to influenza and influenzal pneumonia dropped from 907 in the week ended March 14 to 116 in the week ended April 18.

Salmonellosis

The California Surveillance Report, April 24, 1959, states that 2 outbreaks of salmonellosis due to Salmonella blockley have been reported this year. In the first outbreak, 14 of 50 people eating in a restaurant became ill. Eight of 10 persons who submitted stool specimens were found to be positive for S. blockley. One individual who had a positive stool specimen was not ill. The food vehicle was either shrimp cocktail or chicken. No food was available for examination but other frozen shrimp from the same source were examined and found to be negative for enteric pathogens. Specimens from 4 food handlers

collected a month after the outbreak proved to be negative.

In the second outbreak, of 150 people attending a reception 31 became ill. Chicken was the suspect food but no food was available for laboratory examination. In 2 households illness occurred in persons who did not attend the reception but ate chicken mollé brought from the gathering. Two food handlers also were ill and had stool specimens positive for S. blockley.

Outbreak due to Pseudomonas aeruginosa

The California Surveillance Report also supplied information about an illness in a hospital nursery for premature infants. Six of 14 infants became ill during a 2-week period. One of the 6 developed meningitis and died; 1 baby had loose stools, 3 had eye infections, and 1 a skin lesion. Laboratory reports on stools, eye discharges, and spinal fluid from the child who died were positive for Pseudomonas aeruginosa. Another episode occurred in the same nursery several weeks later when the only 2 infants on the ward at the time became ill. These babies had loose stools which were positive for Ps. aeruginosa. All infants who became ill had used a nebulizer, the others had not. Cultures from various apparatus in the isolettes were also positive for Ps. aeruginosa.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 3, 1958, AND MAY 2, 1959

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (undulant fever) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS 082		HEPATITIS, INFECTIOUS, AND SERUM 092, N998.5 pt.			
			17th week		Cumulative first 17 weeks				17th week		Cumulative first 17 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	9	18	6	15	304	256	35	36	398	349	8,945	5,646
NEW ENGLAND-----	-	2	-	-	4	5	1	3	13	8	283	202
Maine-----	-	-	-	-	-	-	-	-	-	3	50	34
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	8	1
Vermont-----	-	-	-	-	-	-	-	-	2	-	17	6
Massachusetts-----	-	1	-	-	4	4	1	3	7	2	126	86
Rhode Island-----	-	-	-	-	-	-	-	-	1	2	27	32
Connecticut-----	-	1	-	-	-	1	-	-	3	1	55	43
MIDDLE ATLANTIC-----	-	-	-	1	22	27	7	5	85	50	1,258	634
New York-----	-	-	-	1	11	13	7	4	49	39	741	407
New Jersey-----	-	-	-	-	6	1	-	-	10	1	153	62
Pennsylvania-----	-	-	-	-	5	13	-	1	24	10	364	165
EAST NORTH CENTRAL-----	-	2	-	1	17	25	4	11	45	102	1,441	1,005
Ohio-----	-	-	-	-	5	6	-	-	15	14	432	303
Indiana-----	-	1	-	1	1	11	1	4	5	4	153	99
Illinois-----	-	-	-	-	8	3	1	-	10	66	280	282
Michigan-----	-	1	-	-	1	4	2	6	13	16	491	274
Wisconsin-----	-	-	-	-	2	1	-	1	2	2	85	47
WEST NORTH CENTRAL-----	7	5	4	5	28	30	-	-	31	14	722	546
Minnesota-----	-	1	3	-	13	2	-	-	11	-	168	58
Iowa-----	1	2	-	1	2	5	-	-	2	3	58	119
Missouri-----	-	1	-	2	3	12	-	-	7	8	186	83
North Dakota-----	4	-	1	-	1	1	-	-	4	1	162	84
South Dakota-----	-	1	-	1	2	3	-	-	-	-	7	3
Nebraska-----	-	-	-	1	7	7	-	-	1	2	43	41
Kansas-----	2	-	-	-	-	-	-	-	6	-	98	158
SOUTH ATLANTIC-----	-	3	1	2	65	68	8	6	19	21	865	403
Delaware-----	-	-	-	-	-	-	-	-	-	5	48	23
Maryland-----	-	-	-	-	-	2	3	1	6	4	220	41
District of Columbia-----	-	-	-	-	-	-	1	1	-	-	10	4
Virginia-----	-	1	-	-	4	12	-	-	9	4	171	100
West Virginia-----	-	-	-	-	1	2	-	-	1	-	191	73
North Carolina-----	-	-	-	1	6	12	1	1	-	-	43	19
South Carolina-----	-	-	-	-	4	7	-	1	1	-	14	30
Georgia-----	-	2	-	-	28	20	-	-	-	1	82	42
Florida-----	-	-	1	1	22	13	3	2	2	7	86	71
EAST SOUTH CENTRAL-----	-	1	-	2	42	18	1	1	37	32	860	535
Kentucky-----	-	-	-	-	3	1	1	-	12	8	419	274
Tennessee-----	-	-	-	-	4	3	-	-	9	15	197	141
Alabama-----	-	-	-	2	9	11	-	-	13	9	164	96
Mississippi-----	-	1	-	-	26	3	-	1	3	-	80	24
WEST SOUTH CENTRAL-----	-	2	1	4	114	57	2	3	24	19	637	455
Arkansas-----	-	-	-	1	31	11	-	2	5	3	31	45
Louisiana-----	-	1	-	-	37	5	-	-	1	-	48	4
Oklahoma-----	-	-	-	1	1	15	-	-	2	6	97	78
Texas-----	-	1	1	2	45	26	2	1	16	10	461	328
MOUNTAIN-----	-	1	-	-	9	23	1	1	81	37	1,384	812
Montana-----	-	-	-	-	-	7	-	-	7	8	136	137
Idaho-----	-	-	-	-	-	1	-	-	1	-	154	69
Wyoming-----	-	-	-	-	-	2	-	-	1	4	42	3
Colorado-----	-	1	-	-	3	5	-	-	19	4	412	91
New Mexico-----	-	-	-	-	4	7	1	-	15	11	310	164
Arizona-----	-	-	-	-	1	1	-	-	31	-	240	177
Utah-----	-	-	-	-	-	-	-	-	4	4	76	83
Nevada-----	-	-	-	-	1	-	-	-	-	10	14	88
PACIFIC-----	2	2	-	-	3	3	11	6	65	66	1,495	1,054
Alaska-----	-	-	-	-	1	-	-	-	-	(1)	10	(53)
Washington-----	-	-	-	-	-	-	-	-	11	13	240	204
Oregon-----	-	-	-	-	1	1	-	-	8	11	312	128
California-----	1	2	-	-	1	2	11	6	46	42	933	722
Hawaii-----	-	-	-	-	1	-	-	-	-	-	19	22
Puerto Rico-----	-	-	-	1	11	23	-	-	2	-	74	64

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 3, 1958, AND MAY 2, 1959—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080										MEASLES	
	Total ¹				Paralytic 080.0,080.1				Nonparalytic		085	
	17th week		Cumulative first 17 weeks		17th week		Cumulative first 17 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	29	18	382	266	20	7	263	140	5	7	15,083	41,864
NEW ENGLAND-----	-	-	6	6	-	-	5	4	-	-	795	3,518
Maine-----	-	-	-	2	-	-	-	2	-	-	85	339
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	14	85
Vermont-----	-	-	1	-	-	-	1	-	-	-	52	71
Massachusetts-----	-	-	4	1	-	-	3	-	-	-	130	1,966
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	17	380
Connecticut-----	-	-	1	3	-	-	1	2	-	-	497	677
MIDDLE ATLANTIC-----	-	1	28	10	-	-	10	4	-	1	3,013	6,523
New York-----	-	1	23	10	-	-	9	4	-	1	922	3,306
New Jersey-----	-	-	2	-	-	-	-	-	-	-	1,186	1,197
Pennsylvania-----	-	-	3	-	-	-	1	-	-	-	905	2,020
EAST NORTH CENTRAL-----	3	2	27	26	-	-	15	11	2	-	1,713	11,040
Ohio-----	1	1	13	4	-	-	6	-	-	-	564	1,428
Indiana-----	-	-	1	2	-	-	-	1	-	-	210	1,358
Illinois-----	1	-	2	4	-	-	-	2	1	-	169	1,311
Michigan-----	1	-	9	12	-	-	7	6	1	-	326	3,305
Wisconsin-----	-	1	2	4	-	-	2	2	-	-	444	3,638
WEST NORTH CENTRAL-----	2	3	38	13	2	-	21	7	-	3	841	984
Minnesota-----	-	-	-	1	-	-	-	1	-	-	48	57
Iowa-----	-	2	-	3	-	-	-	1	-	2	401	423
Missouri-----	2	-	29	1	2	-	20	1	-	-	189	248
North Dakota-----	-	1	1	2	-	-	-	1	-	1	180	132
South Dakota-----	-	-	2	3	-	-	-	1	-	-	14	17
Nebraska-----	-	-	3	2	-	-	1	2	-	-	9	107
Kansas-----	-	-	3	1	-	-	-	-	-	-	(*)	(*)
SOUTH ATLANTIC-----	10	3	88	56	8	-	65	28	1	1	1,725	4,384
Delaware-----	-	-	2	1	-	-	2	1	-	-	23	15
Maryland-----	-	-	-	-	-	-	-	-	-	-	67	147
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	18	43
Virginia-----	2	-	4	3	2	-	4	3	-	-	887	1,575
West Virginia-----	1	1	13	5	-	-	10	4	1	1	332	512
North Carolina-----	1	-	7	10	1	-	5	3	-	-	130	155
South Carolina-----	-	-	7	3	-	-	5	2	-	-	114	728
Georgia-----	-	-	3	6	-	-	3	4	-	-	-	263
Florida-----	6	2	52	28	5	-	36	11	-	-	154	946
EAST SOUTH CENTRAL-----	1	1	32	26	1	1	21	13	-	-	733	3,406
Kentucky-----	-	1	7	13	-	1	6	7	-	-	156	913
Tennessee-----	1	-	10	4	1	-	6	2	-	-	361	1,597
Alabama-----	-	-	1	5	-	-	-	4	-	-	130	781
Mississippi-----	-	-	14	4	-	-	9	-	-	-	86	115
WEST SOUTH CENTRAL-----	5	7	79	49	3	6	63	34	2	1	1,916	7,617
Arkansas-----	1	-	14	4	1	-	14	4	-	-	12	60
Louisiana-----	1	-	14	6	1	-	12	5	-	-	-	12
Oklahoma-----	-	1	3	4	-	1	2	2	-	-	24	750
Texas-----	3	6	48	35	1	5	35	23	2	1	1,880	6,795
MOUNTAIN-----	1	-	15	23	-	-	8	9	-	-	1,508	1,884
Montana-----	-	-	-	2	-	-	-	-	-	-	78	428
Idaho-----	-	-	-	-	-	-	-	-	-	-	29	259
Wyoming-----	-	-	1	2	-	-	-	1	-	-	1	41
Colorado-----	-	-	2	5	-	-	2	4	-	-	337	407
New Mexico-----	1	-	5	10	-	-	1	3	-	-	143	389
Arizona-----	-	-	5	2	-	-	5	1	-	-	696	-
Utah-----	-	-	2	1	-	-	-	-	-	-	202	355
Nevada-----	-	-	-	1	-	-	-	-	-	-	22	5
PACIFIC-----	7	1	69	57	6	-	55	30	-	1	2,839	2,508
Alaska-----	-	(1)	-	(1)	-	(1)	-	(1)	-	-	23	(25)
Washington-----	1	-	5	6	-	-	-	-	-	-	779	435
Oregon-----	2	-	5	5	2	-	5	3	-	-	256	359
California-----	4	1	59	46	4	-	50	27	-	1	1,781	1,714
Hawaii-----	-	-	4	4	-	-	4	4	-	-	40	11
Puerto Rico-----	-	1	3	24	-	1	3	21	-	-	106	81

¹Includes cases not specified by type, category number 080.3.

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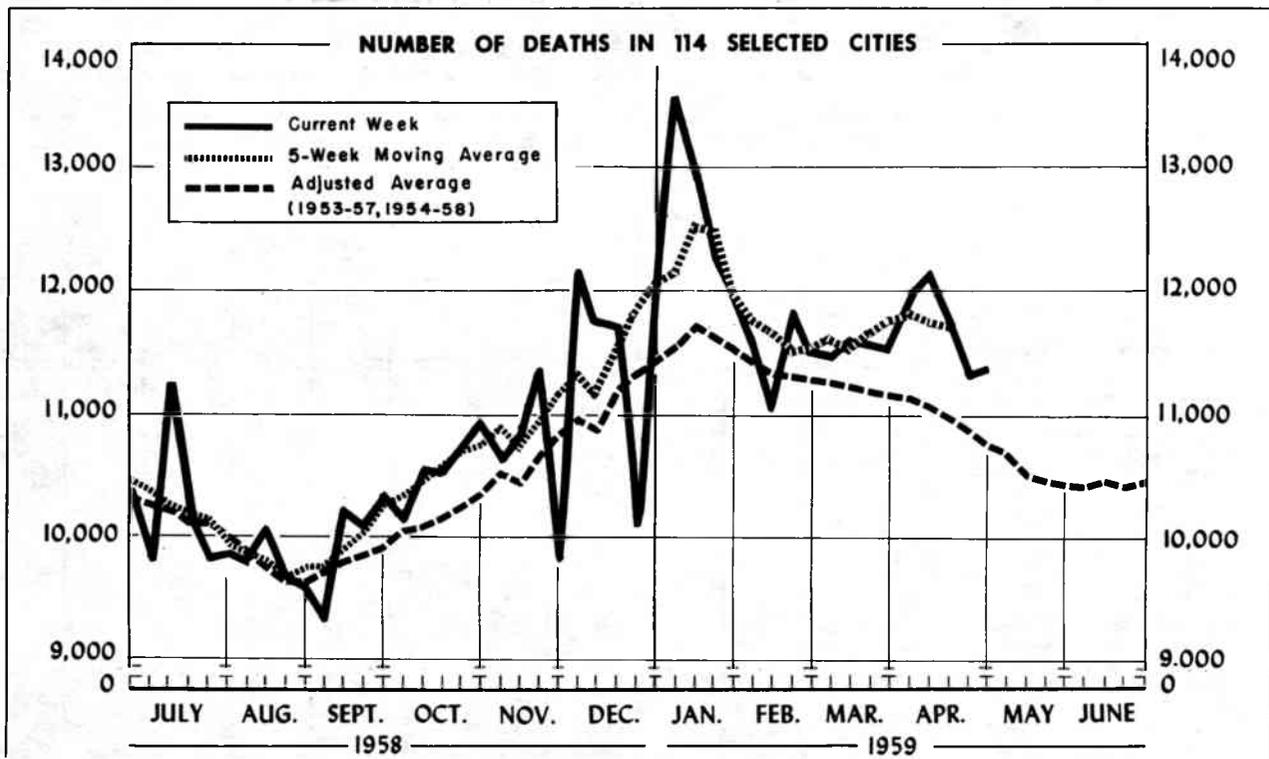
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 3, 1958, AND MAY 2, 1959—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117	057		340	096.2	17th week		Cumulative first 17 weeks		101			
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958	
CONT. UNITED STATES-----	4	51	43	41	6	16	17	170	238	1	95	102	
NEW ENGLAND-----	-	1	3	7	-	-	-	2	2	-	-	-	
Maine-----	-	-	-	-	-	-	-	-	1	-	-	-	
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-	
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts-----	-	1	2	7	-	-	-	-	1	-	-	-	
Rhode Island-----	-	-	-	-	-	-	-	-	1	-	-	-	
Connecticut-----	-	-	1	-	-	-	-	-	1	-	-	-	
MIDDLE ATLANTIC-----	1	11	9	-	2	4	1	20	24	-	1	-	
New York-----	1	4	2	-	-	2	-	7	7	-	1	-	
New Jersey-----	-	4	1	-	-	-	-	5	7	-	-	-	
Pennsylvania-----	-	3	6	-	2	2	1	8	10	-	-	-	
EAST NORTH CENTRAL-----	-	22	9	5	-	3	1	18	22	-	14	25	
Ohio-----	-	5	4	-	-	2	-	11	7	-	7	7	
Indiana-----	-	3	-	-	-	1	-	2	6	-	2	11	
Illinois-----	-	8	1	4	-	-	1	1	1	-	-	-	
Michigan-----	-	5	4	1	-	-	-	3	4	-	1	2	
Wisconsin-----	-	1	-	-	-	-	-	1	4	-	4	5	
WEST NORTH CENTRAL-----	-	1	1	3	3	-	1	7	26	-	30	32	
Minnesota-----	-	-	-	-	3	-	-	-	2	-	7	11	
Iowa-----	-	-	-	2 ¹	-	-	-	-	4	-	7	5	
Missouri-----	-	-	1	2	-	-	1	4	13	-	1	5	
North Dakota-----	-	-	-	-	-	-	-	1	-	-	1	-	
South Dakota-----	-	-	-	-	-	-	-	-	1	-	13	10	
Nebraska-----	-	1	-	-	-	-	-	-	1	-	1	1	
Kansas-----	-	-	-	-	-	-	-	2	5	-	-	-	
SOUTH ATLANTIC-----	1	5	9	7	-	6	2	43	44	-	14	19	
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-	
Maryland-----	-	-	1	2	-	-	-	-	2	-	-	-	
District of Columbia-----	-	-	1	-	-	-	-	1	2	-	-	-	
Virginia-----	1	3	-	3	-	1	-	9	4	-	4	4	
West Virginia-----	-	-	1	1	-	-	-	2	7	-	1	3	
North Carolina-----	-	1	-	-	-	-	-	5	10	-	3	-	
South Carolina-----	-	1	-	-	-	1	-	4	2	-	-	6	
Georgia-----	-	-	-	-	-	2	2	6	7	-	5	3	
Florida-----	-	-	6	2 ¹	-	2	-	16	10	-	1	3	
EAST SOUTH CENTRAL-----	-	2	4	6	-	-	2	14	23	-	19	12	
Kentucky-----	-	-	1	2	-	-	-	2	6	-	6	9	
Tennessee-----	-	1	1	4	-	-	-	6	7	-	1	1	
Alabama-----	-	1	1	-	-	-	1	2	8	-	12	2	
Mississippi-----	-	-	1	-	-	-	1	4	2	-	-	-	
WEST SOUTH CENTRAL-----	1	5	3	2	-	1	8	33	60	1	15	11	
Arkansas-----	-	-	-	-	-	1	-	6	2	-	3	4	
Louisiana-----	-	2	3	-	-	-	4	7	32	-	1	-	
Oklahoma-----	1	-	-	-	-	-	1	6	4	-	-	1	
Texas-----	-	3	-	2	-	1	2	14	22	1	11	6	
MOUNTAIN-----	-	1	1	3	-	1	-	10	12	-	-	-	
Montana-----	-	-	-	1	-	-	-	1	2	-	-	-	
Idaho-----	-	-	-	-	-	-	-	2	4	-	-	-	
Wyoming-----	-	1	-	-	-	-	-	1	-	-	-	-	
Colorado-----	-	-	-	2	-	-	-	-	-	-	-	-	
New Mexico-----	-	-	1	-	-	1	-	2	5	-	-	-	
Arizona-----	-	-	-	-	-	-	-	4	1	-	-	-	
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-	
PACIFIC-----	1	3	4	8	1	1	2	23	25	-	2	3	
Alaska-----	-	-	-	-	-	-	-	1	-	-	-	-	
Washington-----	-	-	-	1	-	-	-	1	-	-	-	-	
Oregon-----	-	-	1	-	-	-	-	1	5	-	-	-	
California-----	1	3	3	2 ⁷	1	1	2	20	20	-	2	3	
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	-	-	-	-	2	10	-	-	-	

²Aseptic meningitis.

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The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week an estimate is made for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN 114 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

AREA	17th week ended May 2, 1959	16th week ended Apr. 25, 1959	Adjusted average, 17th week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 17 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 11,345	11,313	10,766	+5.4	² 201,755	207,628	-2.8
New England----- (14 cities)	³ 699	677	705	-0.9	³ 12,836	13,057	-1.7
Middle Atlantic----- (20 cities)	³ 3,331	3,443	3,178	+4.8	³ 59,252	60,548	-2.1
East North Central----- (19 cities)	2,486	2,388	2,326	+6.9	42,871	44,163	-2.9
West North Central----- (9 cities)	776	780	763	+1.7	13,989	14,628	-4.4
South Atlantic----- (11 cities)	959	936	893	+7.4	17,106	18,447	-7.3
East South Central----- (8 cities)	513	524	474	+8.2	9,091	9,960	-8.7
West South Central----- (13 cities)	949	887	825	+15.0	16,642	17,461	-4.7
Mountain----- (8 cities)	342	309	260	+31.5	5,652	5,260	+7.5
Pacific----- (12 cities)	1,290	1,369	1,319	-2.2	24,316	24,104	+0.9

¹Adjusted average used as base.

²Include estimates for missing cities.

³Includes estimate for missing city.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	17th week ended May 2, 1959	16th week ended Apr. 25, 1959	CUMULATIVE NUMBER FIRST 17 WEEKS		AREA	17th week ended May 2, 1959	16th week ended Apr. 25, 1959	CUMULATIVE NUMBER FIRST 17 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	232	244	4,379	4,506	St. Louis, Mo.-----	259	230	4,362	4,681
Bridgeport, Conn.-----	26	35	725	734	St. Paul, Minn.-----	74	71	1,160	1,363
Cambridge, Mass.-----	27	25	505	529	Wichita, Kans.-----	51	41	830	801
Fall River, Mass.-----	40	31	516	511	SOUTH ATLANTIC:				
Hartford, Conn.-----	41	47	876	929	Atlanta, Ga.-----	108	115	1,987	2,070
Lowell, Mass.-----	22	11	414	491	Baltimore, Md.-----	233	262	4,306	4,691
Lynn, Mass.-----	26	24	429	381	Charlotte, N. C.-----	38	33	646	628
New Bedford, Mass.-----	124	23	2425	441	Jacksonville, Fla.-----	71	41	1,030	1,161
New Haven, Conn.-----	40	43	810	875	Miami, Fla.-----	65	61	1,270	1,420
Providence, R. I.-----	61	67	1,222	1,197	Norfolk, Va.-----	42	32	731	672
Somerville, Mass.-----	19	9	248	253	Richmond, Va.-----	95	68	1,354	1,418
Springfield, Mass.-----	41	44	816	734	Savannah, Ga.-----	27	40	572	630
Waterbury, Conn.-----	39	21	496	499	St. Petersburg, Fla.-----	(54)	(53)	(1,246)	(1,357)
Worcester, Mass.-----	61	53	975	977	Tampa, Fla.-----	47	62	1,134	1,349
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N. Y.-----	57	68	1,027	946	Birmingham, Ala.-----	86	86	1,457	1,716
Allentown, Pa.-----	37	45	672	612	Chattanooga, Tenn.-----	48	62	845	929
Buffalo, N. Y.-----	166	150	2,566	2,854	Knoxville, Tenn.-----	46	29	494	525
Camden, N. J.-----	50	39	724	817	Louisville, Ky.-----	95	118	1,989	2,101
Elizabeth, N. J.-----	19	39	504	545	Memphis, Tenn.-----	99	104	1,993	2,162
Erie, Pa.-----	52	43	651	608	Mobile, Ala.-----	49	41	698	760
Jersey City, N. J.-----	62	76	1,405	1,335	Montgomery, Ala.-----	34	27	569	656
Newark, N. J.-----	100	100	1,886	1,781	Nashville, Tenn.-----	56	57	1,046	1,111
New York City, N. Y.-----	1,648	1,725	30,398	30,592	WEST SOUTH CENTRAL:				
Paterson, N. J.-----	40	37	704	790	Austin, Tex.-----	26	29	534	613
Philadelphia, Pa.-----	542	521	9,094	9,564	Baton Rouge, La.-----	33	30	513	526
Pittsburgh, Pa.-----	190	216	3,383	3,667	Corpus Christi, Tex.-----	14	11	341	390
Reading, Pa.-----	28	25	400	402	Dallas, Tex.-----	125	123	2,052	2,102
Rochester, N. Y.-----	105	101	1,731	1,867	El Paso, Tex.-----	40	25	640	686
Schenectady, N. Y.-----	24	27	419	427	Fort Worth, Tex.-----	60	45	1,111	1,136
Scranton, Pa.-----	55	48	718	649	Houston, Tex.-----	171	188	2,763	2,912
Syracuse, N. Y.-----	64	66	1,114	1,088	Little Rock, Ark.-----	74	35	1,010	988
Trenton, N. J.-----	43	48	779	938	New Orleans, La.-----	168	168	2,989	3,299
Utica, N. Y.-----	25	26	514	507	Oklahoma City, Okla.-----	72	56	1,185	1,249
Yonkers, N. Y.-----	124	43	2563	559	San Antonio, Tex.-----	87	82	1,722	1,757
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio-----	57	69	1,053	1,062	Albuquerque, N. Mex.-----	34	34	551	484
Canton, Ohio-----	39	29	590	532	Colorado Springs, Colo.-----	14	16	294	250
Chicago, Ill.-----	791	770	13,622	14,156	Denver, Colo.-----	130	112	2,046	2,052
Cincinnati, Ohio-----	146	145	2,862	3,035	Ogden, Utah-----	10	15	279	246
Cleveland, Ohio-----	205	164	3,661	3,926	Phoenix, Ariz.-----	57	54	960	840
Columbus, Ohio-----	120	117	2,025	2,148	Pueblo, Colo.-----	17	14	229	223
Dayton, Ohio-----	66	59	1,181	1,363	Salt Lake City, Utah-----	58	42	858	798
Detroit, Mich.-----	357	307	5,871	5,816	Tucson, Ariz.-----	22	22	435	367
Evansville, Ind.-----	43	42	686	714	PACIFIC:				
Flint, Mich.-----	37	48	724	680	Berkeley, Calif.-----	23	19	323	362
Fort Wayne, Ind.-----	49	33	655	661	Fresno, Calif.-----	(42)	(48)	(720)	(641)
Gary, Ind.-----	28	27	552	596	Glendale, Calif.-----	(40)	(34)	(669)	(593)
Grand Rapids, Mich.-----	47	48	757	772	Long Beach, Calif.-----	50	49	993	943
Indianapolis, Ind.-----	144	148	2,573	2,280	Los Angeles, Calif.-----	444	476	8,712	8,969
Madison, Wis.-----	---	(29)	---	(573)	Oakland, Calif.-----	69	88	1,672	1,687
Milwaukee, Wis.-----	126	141	2,343	2,528	Pasadena, Calif.-----	33	36	556	634
Peoria, Ill.-----	37	34	545	618	Portland, Oreg.-----	87	127	2,034	1,761
Rockford, Ill.-----	(29)	(29)	(490)	(461)	Sacramento, Calif.-----	56	48	941	886
South Bend, Ind.-----	29	32	468	488	San Diego, Calif.-----	76	85	1,468	1,507
Toledo, Ohio-----	103	114	1,740	1,839	San Francisco, Calif.-----	211	180	3,506	3,524
Youngstown, Ohio-----	62	61	963	949	San Jose, Calif.-----	(35)	(16)	(449)	(400)
WEST NORTH CENTRAL:					Seattle, Wash.-----				
Des Moines, Iowa-----	38	51	971	994	Spokane, Wash.-----	144	150	2,446	2,360
Duluth, Minn.-----	31	26	458	430	Tacoma, Wash.-----	52	57	899	800
Kansas City, Kans.-----	35	37	566	510	Honolulu, Hawaii-----	(44)	(27)	(637)	(664)
Kansas City, Mo.-----	120	123	2,141	2,282					
Lincoln, Nebr.-----	(20)	(24)	(450)	(456)					
Minneapolis, Minn.-----	103	131	2,226	2,302					
Omaha, Nebr.-----	65	70	1,275	1,265					

¹Estimated.

²Includes estimate for current week.

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EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	()

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.